

SEQUENCE LISTING

<110> CHUGAI RESEARCH INSTITUTE FOR MOLECULAR MEDICINE, INC.
CHUGAI SEIYAKU KABUSHIKI KAISHA

<120> LKB1 gene knock out animals

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<150> JP 1999-153030

<151> 1999-05-31

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<170> PatentIn Ver. 2.0

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<212> DNA

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Val Ala Asp Pro Glu Pro Leu Gly Leu Phe Ser Glu Gly Glu Leu Met

5

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tcg gtg ggc atg gac acc ttc atc cac cgc atc gac tcc acc gag gta 152

Ser Val Gly Met Asp Thr Phe Ile His Arg Ile Asp Ser Thr Glu Val

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atc tac cag ccg cgc cgc aaa cgc gcc aag ctc atc ggc aag tac ctg 200

Ile Tyr Gln Pro Arg Arg Lys Arg Ala Lys Leu Ile Gly Lys Tyr Leu

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atg ggg gac ctg ctc ggg gag ggc tcg tac ggc aag gtg aag gag gtg 248

Met Gly Asp Leu Leu Gly Glu Gly Ser Tyr Gly Lys Val Lys Glu Val

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ctg gac tcc gag acc tta tgc cgc agg gcg gtc aag atc ctc aag aag 296

Leu Asp Ser Glu Thr Leu Cys Arg Arg Ala Val Lys Ile Leu Lys Lys

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Pro Cys Asp Cys Gly Pro Pro Leu Ser Asp Leu Leu Arg Gly Met Leu

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Glu.Tyr Glu Pro Ala Lys Arg Phe Ser Ile Arg Gln Ile Arg Gln His				
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agc tgg ttc cgg aag aaa cac cct ctg gct gag gcg ctc gta cct atc				1016
Ser Trp Phe Arg Lys Lys His Pro Leu Ala Glu Ala Leu Val Pro Ile				
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cca cca agc cca gac act aag gac cgc tgg cgc agt atg act gta gtg				1064
Pro Pro Ser Pro Asp Thr Lys Asp Arg Trp Arg Ser Met Thr Val Val				
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Pro Tyr Leu Glu Asp Leu His Gly Arg Ala Glu Glu Glu Glu Glu Glu				
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gac ttg ttt gac att gag gac ggc att atc tac acc cag gac ttc aca				1160
Asp Leu Phe Asp Ile Glu Asp Gly Ile Ile Tyr Thr Gln Asp Phe Thr				
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Val Pro Gly Gln Val Leu Glu Glu Glu Val Gly Gln Asn Gly Gln Ser				
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Arg Lys Val Cys Ser Ser Asn Lys Ile Arg Arg Leu Ser Ala Cys Lys

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Gln Gln

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<213> Mus musculus

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Tyr Leu Met Gly Asp Leu Leu Gly Glu Gly Ser Tyr Gly Lys Val Lys

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Glu Val Leu Asp Ser Glu Thr Leu Cys Arg Arg Ala Val Lys Ile Leu

65 70 75 80

[illegible]

Lys Lys Lys Lys Leu Arg Arg Ile Pro Asn Gly Glu Ala Asn Val Lys

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Lys Glu Ile Gln Leu Leu Arg Arg Leu Arg His Arg Asn Val Ile Gln

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Leu Val Asp Val Leu Tyr Asn Glu Glu Lys Gln Lys Met Tyr Met Val

115

120

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Met Glu Tyr Cys Val Cys Gly Met Gln Glu Met Leu Asp Ser Val Pro

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Glu Lys Arg Phe Pro Val Cys Gln Ala His Gly Tyr Phe Arg Gln Leu

145

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155

160

Ile Asp Gly Leu Glu Tyr Leu His Ser Gln Gly Ile Val His Lys Asp

165

170

175

Ile Lys Pro Gly Asn Leu Leu Leu Thr Thr Asn Gly Thr Leu Lys Ile

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185

190

Ser Asp Leu Gly Val Ala Glu Ala Leu His Pro Phe Ala Val Asp Asp

195

200

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Thr Cys Arg Thr Ser Gln Gly Ser Pro Ala Phe Gln Pro Pro Glu Ile

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Gln His Ser Trp Phe Arg Lys Lys His Pro Leu Ala Glu Ala Leu Val
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Glu Glu Asp Leu Phe Asp Ile Glu Asp Gly Ile Ile Tyr Thr Gln Asp

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Phe Thr Val Pro Gly Gln Val Leu Glu Glu Glu Val Gly Gln Asn Gly

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Gln Ser His Ser Leu Pro Lys Ala Val Cys Val Asn Gly Thr Glu Pro

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Gln Leu Ser Ser Lys Val Lys Pro Glu Gly Arg Pro Gly Thr Ala Asn

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Pro Ala Arg Lys Val Cys Ser Ser Asn Lys Ile Arg Arg Leu Ser Ala

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Cys Lys Gln Gln

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<212> DNA

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Synthesized Primer Sequence

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Synthesized Primer Sequence

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